**Name of work:Improvements to Roads And Drains At Mallasandra Colony Surrounding Area In Ward No.13 Shettyhalli Sub Division**

**Pre Measurements**

**Pre measurement recorded on:**

| Item No | Discription of Item | No | Length | Breadth | Kg/Mtr | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 6 | Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | | | | | | |
| | **Mallasandra** | | | | | | |
| | **7th Cross** | | | | | | |
| | **LHS** | | | | | | |
| | **Total Drain length=34.50Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 276 | 2.30 | | 0.62 | 393.58 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 19 | 34.50 | | 0.62 | 406.41 | |
| | **RHS** | | | | | | |
| | **Total Drain length=34.50Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 276 | 2.30 | | 0.62 | 393.58 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 19 | 34.50 | | 0.62 | 406.41 | |
| | **6th Cross** | | | | | | |
| | **RHS** | | | | | | |
| | **Total Drain length=50.30Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 402 | 2.30 | | 0.62 | 573.25 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 19 | 50.30 | | 0.62 | 592.53 | |
| | **For RCC Culvert** | | | | | | |
| | **Culvert at 1st cross** | | | | | | |
| | **Total Drain length=5.70m** | | | | | | |
| | Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |

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| tem No | Discription of Item | No | Length | Breadth | Kg/Mtr | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Top | 46 | 2.80 | | 0.89 | 114.63 | |
| | Bottom | 46 | 3.05 | | 0.89 | 124.87 | |
| | Distribution bar | | | | | | |
| | Distribution bar 10mm dia @ 150mm c/c | | | | | | |
| | 0.62kg/mtr Top | 19 | 5.70 | | 0.62 | 67.15 | |
| | Bottom | 20 | 5.70 | | 0.62 | 70.68 | |
| | **Culvert at 4th cross** | | | | | | |
| | **Total Drain length=4.20m** | | | | | | |
| | Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |
| | Top | 34 | 2.90 | | 0.89 | 87.75 | |
| | Bottom | 34 | 3.40 | | 0.89 | 102.88 | |
| | Distribution bar | | | | | | |
| | Distribution bar 10mm dia @ 150mm c/c | | | | | | |
| | 0.62kg/mtr Top | 19 | 4.20 | | 0.62 | 49.48 | |
| | Bottom | 23 | 4.20 | | 0.62 | 59.89 | |
| | **Culvert at 7th cross** | | | | | | |
| | **Total Drain length=6.15m** | | | | | | |
| | Main bar 12mm dia bar @ 150mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |
| | Top | 41 | 2.80 | | 0.89 | 102.17 | |
| | Bottom | 41 | 3.05 | | 0.89 | 111.29 | |
| | Distribution bar | | | | | | |
| | Distribution bar 10mm dia @ 150mm c/c | | | | | | |
| | 0.62kg/mtr Top | 19 | 6.15 | | 0.62 | 72.45 | |
| | Bottom | 20 | 6.15 | | 0.62 | 76.26 | |
| | **Culvert at 9th cross** | | | | | | |
| | **Total Drain length=5.00m** | | | | | | |
| | Main bar 12mm dia bar @ 150mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |
| | Top | 33 | 2.80 | | 0.89 | 82.24 | |
| | Bottom | 33 | 3.05 | | 0.89 | 89.58 | |
| | Distribution bar | | | | | | |
| | Distribution bar 10mm dia @ 150mm c/c | | | | | | |
| | 0.62kg/mtr Top | 19 | 5.00 | | 0.62 | 58.90 | |
| | Bottom | 20 | 5.00 | | 0.62 | 62.00 | |
| | **Deck Slab** | | | | | | |
| | **Mallasandra Main Road-RHS** | | | | | | |
| | **From 5th-4th cross** | | | | | | |
| | **Total Drain length=22.90Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 183 | 1.00 | | 0.62 | 113.46 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |

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| tem No | Discription of Item | No | Length | Breadth | Kg/Mtr | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | 0.62kg/mtr | 8 | 22.90 | | 0.89 | 163.05 | |
| | **From 4th-3rd cross** | | | | | | |
| | **Total Drain length=24.15Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 193 | 0.91 | | 0.62 | 108.89 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 8 | 24.15 | | 0.89 | 171.95 | |
| | **From 3rd-2nd cross** | | | | | | |
| | **Total Drain length=20.35Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 163 | 0.95 | | 0.62 | 96.01 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 8 | 20.35 | | 0.89 | 144.89 | |
| | **From 2nd-1st cross** | | | | | | |
| | **Total Drain length=19.70 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 158 | 1.00 | | 0.62 | 97.96 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 8 | 19.70 | | 0.89 | 140.26 | |
| | **From 1st cross-Shettyhalli Main road** | | | | | | |
| | **Total Drain length=18.60 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 157 | 0.92 | | 0.62 | 89.55 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 8 | 19.60 | | 0.89 | 139.55 | |
| | | | | | | | |
| | **RHS From Shettyhalli Main Road** | | | | | | |
| | **From 3rd-4th cross** | | | | | | |
| | **Total Drain length=25.55 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 204 | 0.92 | | 0.62 | 116.36 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 8 | 25.55 | | 0.89 | 181.92 | |
| | **From 4th-5th cross** | | | | | | |

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| tem No | Discription of Item | No | Length | Breadth | Kg/Mtr | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | **Total Drain length=15.70 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 126 | 0.87 | | 0.62 | 67.96 | |
| | Distribution bar 12mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 7 | 15.70 | | 0.89 | 97.81 | |
| | | | | | | | |
| | **For CC Road** | | | | | | |
| | **Mallasandra Main Road-RHS** | | | | | | |
| | **From 5th-4th cross** | | | | | | |
| | **Total length=86.05Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 665 | 4.30 | | 0.62 | 1772.89 | |
| | Main bar 10mm dia bar @ 150mm c/c | | | | | | |
| | 0.62kg/mtr | 29 | 86.05 | | 0.62 | 1547.18 | |
| | | | | | **Present Qty** | **9147.67** | **Kg** |
| | | | | | **Present Qty** | **9.15** | **Tonne** |

04/05/20

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub division

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**Name of work:Improvements to Roads And Drains At Mallasandra Colony Surrounding Area In Ward No.13 Shettyhalli Sub Division**

**Detailed Measurements**

| | **Detailed Measurement Recorded on:** | | | | | | |
|---|---|---|---|---|---|---|---|
| **Item No** | **Discription of Item** | **No** | **Length** | **Breadth** | **Depth** | **Qty** | **Unit** |
| 7 | Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications | | | | | | |
| | **For Mallsandra School** | | | | | | |
| | Grill Work | | | | | | |
| | | 1 | 2.90 | | 1.40 | 4.06 | |
| | | 1 | 4.00 | | 1.40 | 5.60 | |
| | | 1 | 4.00 | | 1.40 | 5.60 | |
| | | 1 | 3.50 | | 1.40 | 4.90 | |
| | | 1 | 3.50 | | 1.40 | 4.90 | |
| | | 1 | 3.60 | | 1.40 | 5.04 | |
| | | 1 | 3.50 | | 1.40 | 4.90 | |
| | | 1 | 3.60 | | 1.40 | 5.04 | |
| | | 1 | 3.60 | | 1.40 | 5.04 | |
| | | 1 | 3.60 | | 1.40 | 5.04 | |
| | | 1 | 3.60 | | 1.40 | 5.04 | |
| | | 1 | 3.60 | | 1.40 | 5.04 | |
| | | 1 | 3.60 | | 2.00 | 7.20 | |
| | | 1 | 3.60 | | 2.00 | 7.20 | |
| | | 1 | 2.30 | | 2.00 | 4.60 | |
| | | 1 | 2.60 | | 2.00 | 5.20 | |
| | | | | | **Present Qty** | **84.40** | **Sqm** |
| | | | | | **Present Qty** | **1772.40** | **Kg** |

10/04/20

Assistant Engineer
Ward No.13

10/4

Asst. Executive Engineer,
Shettyhalli Sub division

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**Name of work:Improvements to Roads And Drains At Mallasandra Colony Surrounding Area In Ward No.13 Shettyhalli Sub Division**

**Detailed Measurements**

**Detailed Measurement recorded on:**

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 8 | Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate) | | | | | | |
| | **For RCC drain** | | | | | | |
| | **Mallasandra** | | | | | | |
| | **7th Cross From Panchamukhi Temple Main Road** | | | | | | |
| | LHS | 1 | 15.00 | 0.90 | | 13.50 | |
| | | 1 | 15.00 | 0.90 | | 13.50 | |
| | | 1 | 4.50 | 0.90 | | 4.05 | |
| | RHS | | | | | | |
| | | 1 | 15.00 | 0.90 | | 13.50 | |
| | | 1 | 15.00 | 0.90 | | 13.50 | |
| | | 1 | 4.50 | 0.90 | | 4.05 | |
| | **6th Cross From Panchamukhi Temple Main Road** | | | | | | |
| | RHS | | | | | | |
| | | 1 | 25.00 | 0.90 | | 22.50 | |
| | | 1 | 17.80 | 0.75 | | 13.35 | |
| | **Missing Slabs** | | | | | | |
| | **Mallasandra** | | | | | | |
| | **2nd cross** | | | | | | |
| | LHS | 1 | 5.00 | 0.90 | | 4.50 | |
| | RHS | 1 | 4.00 | 0.90 | | 3.60 | |
| | **3rd cross** | | | | | | |
| | LHS | 1 | 6.00 | 0.90 | | 5.40 | |
| | RHS | 1 | 5.00 | 0.90 | | 4.50 | |
| | **5th cross,** | | | | | | |
| | **RHS** | | | | | | |
| | | 1 | 5.00 | 0.90 | | 4.50 | |
| | | 1 | 4.00 | 0.90 | | 3.60 | |
| | | 1 | 10.00 | 0.90 | | 9.00 | |
| | **LHS** | | | | | | |
| | | 1 | 5.00 | 0.90 | | 4.50 | |
| | | 1 | 4.00 | 0.90 | | 3.60 | |
| | | | | | | | |
| | 1st Cross, Ravindra Nagara | 1 | 3.00 | 0.90 | | 2.70 | |
| | 5th Cross, BHEL Mini Colony | 1 | 9.00 | 0.90 | | 8.10 | |
| | Kodava Samaja Road | 1 | 7.20 | 0.90 | | 6.48 | |

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| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | 8th cross, Kalyana Nagara | 1 | 4.00 | 0.90 | | 3.60 | |
| | 4th A Cross | 1 | 2.40 | 0.90 | | 2.16 | |
| | BHEL Mini Colony Main road | 1 | 6.00 | 0.90 | | 5.40 | |
| | | | | | **Present Qty** | **169.59** | **Sqm** |

10/08/20

Assistant Engineer
Ward No.13

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Asst. Executive Engineer,
Shettyhalli Sub division

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